

**WEST Search History****[ Hide Items ] [ Restore ] [ Clear ] [ Cancel ]**

DATE: Monday, May 28, 2007

| <u>Hide?</u>  | <u>Set</u> | <u>Name</u>  | <u>Query</u> | <u>Hit Count</u> |
|---|------------|--|--------------|------------------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i> |            |  |              |                  |
| <input type="checkbox"/>                                  | L5         | porous diffusion controlling membrane  |              | 5                |
| <input type="checkbox"/>                                  | L4         | porous diffusion controlling matrix  |              | 0                |
| <input type="checkbox"/>                                  | L3         | (alginate or carboxymethylcellulose or microcrystalline cellulose or xanthan gum or carboxyvinyl polymer or gelatin) with (ion exchange or ion-exchange) |              | 2408             |
| <input type="checkbox"/>                                  | L2         | 5882677.pn. or 5942242.pn. or 4661344.pn.  |              | 6                |
| <input type="checkbox"/>                                  | L1         | 20050013792.pn.  |              | 2                |

END OF SEARCH HISTORY

# Hit List

[First](#) [Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

## Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 5942242 A

L2: Entry 1 of 6

File: USPT

Aug 24, 1999

US-PAT-NO: 5942242

DOCUMENT-IDENTIFIER: US 5942242 A

\*\* See image for Certificate of Correction \*\*

TITLE: Medicaments for nasal administration

DATE-ISSUED: August 24, 1999

## INVENTOR-INFORMATION:

| NAME              | CITY      | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Mizushima; Yutaka | Tokyo     |       |          | JP      |
| Kosaka; Yasuo     | Matsudo   |       |          | JP      |
| Hosokawa; Kayoko  | Kumamoto  |       |          | JP      |
| Nagata; Ryozo     | Kumamoto  |       |          | JP      |
| Higaki; Megumu    | Kawasaki  |       |          | JP      |
| Igarashi; Rie     | Kawasaki  |       |          | JP      |
| Ebata; Tetsuo     | Kunitachi |       |          | JP      |

US-CL-CURRENT: 424/434; 424/426, 424/428; 424/430, 424/435, 424/436, 424/464, 424/469, 424/497,  
424/499, 424/501, 514/2, 514/772.3, 514/777, 514/778, 514/937

## ABSTRACT:

A medicament for nasal administration to be used for disease prevention or treatment comprising a vaccine or a pharmacologically active peptide compounded with an ion exchange resin or adsorbent resin powder whose mean particle size is not larger than 200 .mu.m.

19 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw. Desc](#) [Image](#)

2. Document ID: US 5882677 A

L2: Entry 2 of 6

File: USPT

Mar 16, 1999

US-PAT-NO: 5882677

DOCUMENT-IDENTIFIER: US 5882677 A

TITLE: Iontophoretic patch with hydrogel reservoir

DATE-ISSUED: March 16, 1999

## Record List Display

## INVENTOR-INFORMATION:

|                      |          |       |          |         |
|----------------------|----------|-------|----------|---------|
| NAME                 | CITY     | STATE | ZIP CODE | COUNTRY |
| Kupperblatt; Gary B. | Flanders | NJ    |          |         |

US-CL-CURRENT: 424/449; 424/443, 424/444, 424/447, 604/304, 604/890.1, 604/892.1

## ABSTRACT:

An improved hydrogel reservoir for use in two-compartment iontophoretic patches is described. The hydrogel reservoir contains a water soluble polyelectrolyte and a fluid. The reservoir may also contain a matrix forming material such as polyvinylpyrrolidone. A preferred water-soluble polyelectrolyte is sodium polystyrene sulfonate.

9 Claims, 3 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

3. Document ID: US 4661344 A

L2: Entry 3 of 6

File: USPT

Apr 28, 1987

US-PAT-NO: 4661344

DOCUMENT-IDENTIFIER: US 4661344 A

TITLE: Antimicrobial cation exchange composition

DATE-ISSUED: April 28, 1987

## INVENTOR-INFORMATION:

|                    |         |       |          |         |
|--------------------|---------|-------|----------|---------|
| NAME               | CITY    | STATE | ZIP CODE | COUNTRY |
| Relenyi; Attila G. | Midland | MI    |          |         |

US-CL-CURRENT: 424/78.27; 424/78.26, 424/78.37, 514/528, 521/36

## ABSTRACT:

Antimicrobial cation exchange compositions comprising a cation exchange resin having absorbed thereon an antimicrobial chosen from the class consisting of halocyanooacetamide and 2-acylamino-2-halo alkyl acetate antimicrobials. Said compositions are useful as sustained release antimicrobial compositions. In addition, said compositions can be used to simultaneously remove cations and microbes from an aqueous solution.

14 Claims, 0 Drawing figures

Exemplary Claim Number: 1

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Draw Desc](#) | [Image](#)

4. Document ID: DE 69828126 T2, EP 904779 A2, US 5882677 A, JP 11155962 A, CA 2249039 A1, CA 2249039 C, EP 904779 B1, DE 69828126 E

L2: Entry 4 of 6

File: DWPI

Nov 3, 2005

## Record List Display

DERWENT-ACC-NO: 1999-192459

DERWENT-WEEK: 200572

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Hydrogel reservoir used for transdermal delivery of drugs

INVENTOR: KUPPERBLATT, G B

PRIORITY-DATA: 1997US-0941746 (September 30, 1997)

## PATENT-FAMILY:

| PUB-NO                | PUB-DATE          | LANGUAGE | PAGES | MAIN-IPC   |
|-----------------------|-------------------|----------|-------|------------|
| <u>DE 69828126 T2</u> | November 3, 2005  |          | 000   | A61K009/70 |
| <u>EP 904779 A2</u>   | March 31, 1999    | E        | 011   | A61K009/70 |
| <u>US 5882677 A</u>   | March 16, 1999    |          | 000   | A61K009/70 |
| <u>JP 11155962 A</u>  | June 15, 1999     |          | 032   | A61N001/30 |
| <u>CA 2249039 A1</u>  | March 30, 1999    | E        | 000   | A61N001/30 |
| <u>CA 2249039 C</u>   | April 2, 2002     | E        | 000   | A61N001/30 |
| <u>EP 904779 B1</u>   | December 15, 2004 | E        | 000   | A61K009/70 |
| <u>DE 69828126 E</u>  | January 20, 2005  |          | 000   | A61K009/70 |

INT-CL (IPC): A61K 9/70; A61N 1/30

ABSTRACTED-PUB-NO: EP 904779A

## BASIC-ABSTRACT:

NOVELTY - An iontophoretic patch with a hydrogel reservoir, contains an active electrode in the device having two components situated on top of each other and separated by permeable means.

DETAILED DESCRIPTION - A hydrogel reservoir contains an active electrode in a two compartment iontophoretic device, the two compartments being situated on top of each other and separated by a permeable-means. The hydrogel reservoir is situated in one of the two compartments and comprises a water-soluble polyelectrolyte and a fluid.

USE - Used for the transdermal delivery of drugs.

## ABSTRACTED-PUB-NO:

## JP 11155962A EQUIVALENT-ABSTRACTS:

NOVELTY - An iontophoretic patch with a hydrogel reservoir, contains an active electrode in the device having two components situated on top of each other and separated by permeable means.

DETAILED DESCRIPTION - A hydrogel reservoir contains an active electrode in a two compartment iontophoretic device, the two compartments being situated on top of each other and separated by a permeable-means. The hydrogel reservoir is situated in one of the two compartments and comprises a water-soluble polyelectrolyte and a fluid.

USE - Used for the transdermal delivery of drugs.

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequence | Attachments | Claims | KMC | Drawn Desc | Clip Img | Img

5. Document ID: DE 19627392 A1, JP 3098401 B2, GB 2303064 A, AU 9659452 A, FR 2736547 A1, JP 09025238 A, CA 2180215 A, KR 97005305 A, ES 2116918 A1, AU 702108 B, ES 2116918 B1, US 5942242 A, GB 2303064 B, IT 1284049 B, CN 1140609 A

L2: Entry 5 of 6

File: DWPI

Jan 16, 1997

## Record List Display

DERWENT-ACC-NO: 1997-078706

DERWENT-WEEK: 200054

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Medicament contg. vaccine or peptide for nasal admin. - as suspension or powder contg. adsorbent and/or ion-exchange resin(s)

INVENTOR: EBATA, T; HIGAKI, M ; HOSOKAWA, K ; IGARASHI, R ; KOSAKA, Y ; MIZUSHIMA, Y ; NAGATA, R

PRIORITY-DATA: 1995JP-0197919 (July 12, 1995)

## PATENT-FAMILY:

| PUB-NO                | PUB-DATE          | LANGUAGE | PAGES | MAIN-IPC   |
|-----------------------|-------------------|----------|-------|------------|
| <u>DE 19627392 A1</u> | January 16, 1997  |          | 010   | A61K039/02 |
| <u>JP 3098401 B2</u>  | October 16, 2000  |          | 010   | A61K038/00 |
| <u>GB 2303064 A</u>   | February 12, 1997 |          | 032   | A61K009/18 |
| <u>AU 9659452 A</u>   | January 23, 1997  |          | 000   | A61K009/10 |
| <u>FR 2736547 A1</u>  | January 17, 1997  |          | 023   | A61K009/18 |
| <u>JP 09025238 A</u>  | January 28, 1997  |          | 010   | A61K038/00 |
| <u>CA 2180215 A</u>   | January 13, 1997  |          | 000   | A61K047/30 |
| <u>KR 97005305 A</u>  | February 19, 1997 |          | 000   | A61K038/00 |
| <u>ES 2116918 A1</u>  | July 16, 1998     |          | 000   | A61K009/72 |
| <u>AU 702108 B</u>    | February 11, 1999 |          | 000   | A61K009/10 |
| <u>ES 2116918 B1</u>  | April 1, 1999     |          | 000   | A61K009/72 |
| <u>US 5942242 A</u>   | August 24, 1999   |          | 000   | A61F013/00 |
| <u>GB 2303064 B</u>   | October 6, 1999   |          | 000   | A61K009/18 |
| <u>IT 1284049 B</u>   | May 8, 1998       |          | 000   | A61K000/00 |
| <u>CN 1140609 A</u>   | January 22, 1997  |          | 000   | A61K047/30 |

INT-CL (IPC): A61F 2/00; A61F 13/00; A61K 0/00; A61K 9/10; A61K 9/107; A61K 9/14; A61K 9/18; A61K 9/72; A61K 38/00; A61K 38/22; A61K 38/23; A61K 38/26; A61K 38/28; A61K 38/43; A61K 39/00; A61K 39/02; A61K 39/04; A61K 39/05; A61K 39/08; A61K 39/10; A61K 39/106; A61K 39/12; A61K 39/145; A61K 39/155; A61K 39/165; A61K 39/20; A61K 39/25; A61K 39/29; A61K 47/00; A61K 47/16; A61K 47/26; A61K 47/30; A61K 47/32; A61K 47/42

ABSTRACTED-PUB-NO: DE 19627392A

## BASIC-ABSTRACT:

Suspended or powder-form medicament for admin. through the nose comprises a powdered resin R and an inoculation material or a pharmacologically active peptide. R is one or more ion-exchange and/or adsorbent resin(s).

USE - The medicament contains an immunising agent derived from diphtheria, whooping cough, measles, rubella, influenza, Japanese encephalitis, Weil-Landouzy disease, cholera, mumps, chicken pox, virus hepatitis, tetanus or BCG, or a hormone, protein or enzyme, esp. insulin, calcitonin, elcatonin, salmon calcitonin, buserelin acetate (Gn-RH deriv.), leuprorelin acetate (LH-RH deriv.), somatropin or glucagon (all claimed).

ADVANTAGE - The compsn. brings the active agent to the surface of the mucous membranes of the nose, where the active agent is readily released, for better absorption into the circulation. The resin is inactive, harmless and does not contain harmful impurities. Cationic ion-exchange resins are partic. useful, for acid proteins such as insulin.

ABSTRACTED-PUB-NO:

## GB 2303064B EQUIVALENT-ABSTRACTS:

Suspended or powder-form medicament for admin. through the nose comprises a powdered resin R

## Record List Display

and an inoculation material or a pharmacologically active peptide. R is one or more ion-exchange and/or adsorbent resin(s).

USE - The medicament contains an immunising agent derived from diphtheria, whooping cough, measles, rubella, influenza, Japanese encephalitis, Weil-Landouzy disease, cholera, mumps, chicken pox, virus hepatitis, tetanus or BCG, or a hormone, protein or enzyme, esp. insulin, calcitonin, elcatonin, salmon calcitonin, buserelin acetate (Gn-RH deriv.), leuprorelin acetate (LH-RH deriv.), somatropin or glucagon (all claimed).

ADVANTAGE - The compsn. brings the active agent to the surface of the mucous membranes of the nose, where the active agent is readily released, for better absorption into the circulation. The resin is inactive, harmless and does not contain harmful impurities. Cationic ion-exchange resins are partic. useful, for acid proteins such as insulin.

US 5942242A

Suspended or powder-form medicament for admin. through the nose comprises a powdered resin R and an inoculation material or a pharmacologically active peptide. R is one or more ion-exchange and/or adsorbent resin(s).

USE - The medicament contains an immunising agent derived from diphtheria, whooping cough, measles, rubella, influenza, Japanese encephalitis, Weil-Landouzy disease, cholera, mumps, chicken pox, virus hepatitis, tetanus or BCG, or a hormone, protein or enzyme, esp. insulin, calcitonin, elcatonin, salmon calcitonin, buserelin acetate (Gn-RH deriv.), leuprorelin acetate (LH-RH deriv.), somatropin or glucagon (all claimed).

ADVANTAGE - The compsn. brings the active agent to the surface of the mucous membranes of the nose, where the active agent is readily released, for better absorption into the circulation. The resin is inactive, harmless and does not contain harmful impurities. Cationic ion-exchange resins are partic. useful, for acid proteins such as insulin.

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KIMC](#) | [Drawl Desc](#) | [Image](#)

6. Document ID: US 4661344 A, EP 281645 A, AU 8769847 A, JP 63238003 A, NO 8700986 A, DK 8701459 A, FI 8701210 A, PT 84534 A, EP 281645 B, DE 3762707 G, ES 2015004 B, CA 1285219 C, IL 81808 A

L2: Entry 6 of 6

File: DWPI

Apr 28, 1987

DERWENT-ACC-NO: 1987-135647

DERWENT-WEEK: 199736

COPYRIGHT 2007 DERWENT INFORMATION LTD

TITLE: Antimicrobial cation exchange compsn. - contg. a halo:cyano:acetamide, halo:nitro:acetamide or 2-acylamino-2-haloalkyl acetate antimicrobials reversibly absorbed onto resin

INVENTOR: RELENYI, A G

PRIORITY-DATA: 1982US-0383665 (June 1, 1982), 1987EP-0103355 (March 9, 1987)

PATENT-FAMILY:

| PUB-NO               | PUB-DATE           | LANGUAGE | PAGES | MAIN-IPC |
|----------------------|--------------------|----------|-------|----------|
| <u>US 4661344 A</u>  | April 28, 1987     |          | 007   |          |
| <u>EP 281645 A</u>   | September 14, 1988 | E        | 000   |          |
| <u>AU 8769847 A</u>  | September 8, 1988  |          | 000   |          |
| <u>JP 63238003 A</u> | October 4, 1988    |          | 000   |          |
| <u>NO 8700986 A</u>  | October 3, 1988    |          | 000   |          |

|                     |                    |     |
|---------------------|--------------------|-----|
| <u>DK 8701459 A</u> | September 21, 1988 | 000 |
| <u>FI 8701210 A</u> | September 20, 1988 | 000 |
| <u>PT 84534 A</u>   | March 30, 1989     | 000 |
| <u>EP 281645 B</u>  | May 16, 1990       | 000 |
| <u>DE 3762707 G</u> | June 21, 1990      | 000 |
| <u>ES 2015004 B</u> | August 1, 1990     | 000 |
| <u>CA 1285219 C</u> | June 25, 1991      | 000 |
| <u>IL 81808 A</u>   | July 18, 1991      | 000 |

INT-CL (IPC): A01N 25/10; A01N 31/16; A01N 37/34; A61K 31/74; A61L 2/16; B01J 39/04; C02F 1/50; C07C 233/02; C07C 255/19

ABSTRACTED-PUB-NO: EP 281645B

BASIC-ABSTRACT:

Compsn. comprises a strong acid type cation exchange resin and an antimicrobial (I) which is reversibly attached to the resin. (I) is of formula

L-CXY-CO-NR2

where X=halogen; Y=H or halogen; each R=H or 1-10C alkyl; L=CN, alkoxy carbonyl or NO2.

More specifically (I) is 2,2-dibromonitrilo propionamide or 2-acylamino- 2,2-dibromoethyl acetate and the resin is a sulphonated styrene divinylbenzene or a polymer of an alpha, beta-unsatd. carboxylic acid or ester.

USE/ADVANTAGE - The compsns. slowly release (I) upon contact with water or a solvent for (I), providing continuous introduction of (I) into the treated system. In addn. the compsns. retain the ion exchange characteristics. The compsns. can be regenerated and reloaded with (I) simultaneously. The compsns. can be used for treating aqs. cooling and heating systems or in microemulsion flooding processes for secondary oil recovery as a biocidal water softening compsn..

ABSTRACTED-PUB-NO:

US 4661344A EQUIVALENT-ABSTRACTS:

An antimicrobial cation exchange composition comprising a strong acid type cation exchange resin and an antimicrobiially effective amt. of an antimicrobial represented by the structure wherein X is halogen, Y is hydrogen or halogen, each R is independently hydrogen or an alkyl group having from 1 to 10 carbon atoms, and L is a cyano, alkoxy carbonyl or nitro group reversibly attached to the cation exchange resin. (11pp)

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Searches](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawn Desc](#) | [Image](#)

[Clear](#) | [Generate Collection](#) | [Print](#) | [Fwd Refs](#) | [Bkwd Refs](#) | [Generate OACS](#)

| Term                                     | Documents |
|--|-----------|
| "5882677"                                | 2         |
| 5882677S                                 | 0         |
| "5942242"                                | 2         |
| 5942242S                                 | 0         |
| "4661344"                                | 3         |
| 4661344S                                 | 0         |
| ((("5882677".PN.) OR ("5942242".PN.)) OR |           |

|  |  |   |
|--|--|---|
| ("4661344".PN.) .PGPB, USPT, USOC, EPAB, JPAB, DWPI. |  | 6 |
|--|--|---|

|   |  |   |
|---|--|---|
| (5882677.PN. OR 5942242.PN. OR<br>4661344.PN.) .PGPB, USPT, USOC, EPAB, JPAB, DWPI. |  | 6 |
|---|--|---|

**Display Format:**

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)